Computer Methods in Applied Mechanics and Engineering 104 (1993) 423–424
North-Holland

Author index of Volume 104*

Aliabadi, S.K., see Le Beau, G.J. (3) 397–422
Allahdadi, F.A., see Luehr, C.P. (3) 357–362
Axelsson, K.B., see Sheng, D. (1) 19– 30

Behr, M.A., L.P. Franca and T.E. Tezduyar, Stabilized finite element methods for the velocity–pressure–stress formulation of incompressible flows (1) 31– 48

Chang, S.H., see Yang, J.Y. (3) 333–355
Chou, C.-C., see Yen, J. (3) 317–331
Cividini, A., A. Quarteroni and E. Zampieri, Numerical solution of linear elastic problems by spectral collocation methods (1) 49– 76
Colombi, P., see Elishakoff, I. (2) 187–209

Droux, J.-J., An algorithm to optimally color a mesh (2) 249–260

Elishakoff, I. and P. Colombi, Combination of probabilistic and convex models of uncertainty when scarce knowledge is present on acoustic excitation parameters (2) 187–209

Fish, J. and S. Markolefas, Adaptive *s*-method for linear elastostatics (1) 363–396
Franca, L.P., see Behr, M.A. (1) 31– 48
Friedrich, O., A new method for generating inner points of triangulations in two dimensions (1) 77– 86

Ghosh, S. and S.N. Mukhopadhyay, A material based finite element analysis of heterogeneous media involving Dirichlet tessellations (2) 211–247

Hui, W.H., see Yang, J.Y. (3) 333–355

Kalra, M.S., see Singh, K.M. (2) 147–172
Katori, H. and T. Nishimura, Non-conforming triangular finite element based on Mindlin plate theory (2) 173–186
Knutsson, S., see Sheng, D. (1) 19– 30

Lanchon (Ducauquis), H., see Taghite, M. (2) 261–290
Le Beau, G.J., S.E. Ray, S.K. Aliabadi and T.E. Tezduyar, SUPG finite element computation of compressible flows with the entropy and conservation variables formulations (3) 397–422

* The issue number is given in front of the page numbers.

Lenard, J.G., see Malinowski, Z. (1) 1– 17
Luehr, C.P. and F.A. Allahdadi, Numerically well-conditioned expressions for isotropic tensor functions (3) 357–362

Malinowski, Z. and J.G. Lenard, Experimental substantiation of an elastoplastic finite element scheme for flat rolling (1) 1– 17
Mansell, G., W. Merryfield, B. Shizgal and U. Weinert, A comparison of differential quadrature methods for the solution of partial differential equations (3) 295–316
Markolefas, S., see Fish, J. (1) 363–396
Merryfield, W., see Mansell, G. (3) 295–316
Mukhopadhyay, S.N., see Ghosh, S. (2) 211–247

Nishimura, T., see Katori, H. (2) 173–186

Oden, J.T., see Tworzydlo, W.W. (1) 87–143

Quarteroni, A., see Cividini, A. (1) 49– 76

Ray, S.E., see Le Beau, G.J. (3) 397–422

Saint Jean Paulin, J., see Taghite, M. (2) 261–290
Sheng, D., K.B. Axelsson and S. Knutsson, Finite element analysis for convective heat diffusion with phase change (1) 19– 30
Shizgal, B., see Mansell, G. (3) 295–316
Singh, K.M. and M.S. Kalra, Least squares finite element formulation in the time domain for the dual reciprocity boundary element method in heat conduction (2) 147–172

Taghite, M., H. Lanchon (Ducauquis) and J. Saint Jean Paulin, Determination of thermoelastic stresses in the plates which maintain the tube bundle of a heat exchanger (2) 261–290
Tezduyar, T.E., see Behr, M.A. (1) 31– 48
Tezduyar, T.E., see Le Beau, G.J. (3) 397–422
Tworzydlo, W.W. and J.T. Oden, Towards an automated environment in computational mechanics (1) 87–143

Weinert, U., see Mansell, G. (3) 295–316

Yang, J.Y., S.H. Chang and W.H. Hui, A new Lagrangian method for steady supercritical shallow water flow computation (3) 333–355
Yen, J. and C.-C. Chou, Automatic generation and numerical integration of differential-algebraic equations of multibody dynamics (3) 317–331

Zampieri, E., see Cividini, A. (1) 49– 76

Computer Methods in Applied Mechanics and Engineering 104 (1993) 425–429
North-Holland

Subject index of Volume 104*

Boundary element methods

Least squares finite element formulation in the time domain for the dual reciprocity boundary element method in heat conduction, K.M. Singh and M.S. Kalra (2) 147–172

Collocation method

Numerical solution of linear elastic problems by spectral collocation methods, A. Cividini, A. Quarteroni and E. Zampieri (1) 49– 76

Design of programs

Towards an automated environment in computational mechanics, W.W. Tworzydlo and J.T. Oden (1) 87–143

Dynamics

Automatic generation and numerical integration of differential-algebraic equations of multibody dynamics, J. Yen and C.-C. Chou (3) 317–331

Elasticity

Numerical solution of linear elastic problems by spectral collocation methods, A. Cividini, A. Quarteroni and E. Zampieri (1) 49– 76
Non-conforming triangular finite element based on Mindlin plate theory, H. Katori and T. Nishimura (2) 173–186
Determination of thermoelastic stresses in the plates which maintain the tube bundle of a heat exchanger, M. Taghite, H. Lanchon (Ducauquis) and J. Saint Jean Paulin (2) 261–290
Numerically well-conditioned expressions for isotropic tensor functions, C.P. Luehr and F.A. Allahdadi (3) 357–362
Adaptive *s*-method for linear elastostatics, J. Fish and S. Markolefas (3) 363–396

Finite element and matrix methods

Finite element analysis for convective heat diffusion with phase change, D. Sheng, K.B. Axelsson and S. Knutsson (1) 19– 30

* The issue number is given in front of the page numbers.

Stabilized finite element methods for the velocity–pressure–stress formulation of incompressible flows, M.A. Behr, L.P. Franca and T.E. Tezduyar (1) 31– 48
Numerical solution of linear elastic problems by spectral collocation methods, A. Cividini, A. Quarteroni and E. Zampieri (1) 49– 76
Towards an automated environment in computational mechanics, W.W. Tworzydlo and J.T. Oden (1) 87–143
Least squares finite element formulation in the time domain for the dual reciprocity boundary element method in heat conduction, K.M. Singh and M.S. Kalra (2) 147–172
Non-conforming triangular finite element based on Mindlin plate theory, H. Katori and T. Nishimura (2) 173–186
A material based finite element analysis of heterogeneous media involving Dirichlet tessellations, S. Ghosh and S.N. Mukhopadhyay (2) 211–247
Adaptive *s*-method for linear elastostatics, J. Fish and S. Markolefas (3) 363–396
SUPG finite element computation of compressible flows with the entropy and conservation variables formulations, G.J. Le Beau, S.E. Ray, S.K. Aliabadi and T.E. Tezduyar (3) 397–422

Fluid mechanics

Stabilized finite element methods for the velocity–pressure–stress formulation of incompressible flows, M.A. Behr, L.P. Franca and T.E. Tezduyar (1) 31– 48
A new Lagrangian method for steady supercritical shallow water flow computation, J.Y. Yang, S.H. Chang and W.H. Hui (3) 333–355
SUPG finite element computation of compressible flows with the entropy and conservation variables formulations, G.J. Le Beau, S.E. Ray, S.K. Aliabadi and T.E. Tezduyar (3) 397–422

Heat and diffusion

Finite element analysis for convective heat diffusion with phase change, D. Sheng, K.B. Axelsson and S. Knutsson (1) 19– 30
Least squares finite element formulation in the time domain for the dual reciprocity boundary element method in heat conduction, K.M. Singh and M.S. Kalra (2) 147–172

Incompressible and near incompressible media

Stabilized finite element methods for the velocity–pressure–stress formulation of incompressible flows, M.A. Behr, L.P. Franca and T.E. Tezduyar (1) 31– 48

Material physics

A material based finite element analysis of heterogeneous media involving Dirichlet tessellations, S. Ghosh and S.N. Mukhopadhyay (2) 211–247

Miscellaneous topics

A new method for generating inner points of triangulations in two dimensions, O. Friedrich (1) 77– 86

Modern computer architecture

An algorithm to optimally color a mesh, J.-J. Droux (2) 249–260

Neural networks

Combination of probabilistic and convex models of uncertainty when scarce knowledge is present on acoustic excitation parameters, I. Elishakoff and P. Colombi (2) 187–209

Nonlinear dynamics of systems

Automatic generation and numerical integration of differential-algebraic equations of multibody dynamics, J. Yen and C.-C. Chou (3) 317–331

Nonlinear mechanics

Automatic generation and numerical integration of differential-algebraic equations of multibody dynamics, J. Yen and C.-C. Chou (3) 317–331
Numerically well-conditioned expressions for isotropic tensor functions, C.P. Luehr and F.A. Allahdadi (3) 357–362

Numerical solution procedures

An algorithm to optimally color a mesh, J.-J. Droux (2) 249–260
A comparison of differential quadrature methods for the solution of partial differential equations, G. Mansell, W. Merryfield, B. Shizgal and U. Weinert (3) 295–316
A new Lagrangian method for steady supercritical shallow water flow computation, J.Y. Yang, S.H. Chang and W.H. Hui (3) 333–355
Adaptive *s*-method for linear elastostatics, J. Fish and S. Markolefas (3) 363–396

Phase changes

Finite element analysis for convective heat diffusion with phase change, D. Sheng, K.B. Axelsson and S. Knutsson (1) 19– 30

Problems in physics

Determination of thermoelastic stresses in the plates which maintain the tube bundle of a heat exchanger, M. Taghite, H. Lanchon (Ducauquis) and J. Saint Jean Paulin (2) 261–290

Shells and plates

Non-conforming triangular finite element based on Mindlin plate theory, H. Katori and T. Nishimura (2) 173–186

Solutions of ordinary and partial differential equations

A comparison of differential quadrature methods for the solution of partial differential equations, G. Mansell, W. Merryfield, B. Shizgal and U. Weinert (3) 295–316

Automatic generation and numerical integration of differential-algebraic equations of multibody dynamics, J. Yen and C.-C. Chou (3) 317–331

Stochastic processes

Combination of probabilistic and convex models of uncertainty when scarce knowledge is present on acoustic excitation parameters, I. Elishakoff and P. Colombi (2) 187–209

Structural mechanics

Non-conforming triangular finite element based on Mindlin plate theory, H. Katori and T. Nishimura (2) 173–186

A material based finite element analysis of heterogeneous media involving Dirichlet tessellations, S. Ghosh and S.N. Mukhopadhyay (2) 211–247

Subsonic flow

SUPG finite element computation of compressible flows with the entropy and conservation variables formulations, G.J. Le Beau, S.E. Ray, S.K. Aliabadi and T.E. Tezduyar (3) 397–422

Supersonic flow

SUPG finite element computation of compressible flows with the entropy and conservation variables formulations, G.J. Le Beau, S.E. Ray, S.K. Aliabadi and T.E. Tezduyar (3) 397–422

Thermal effects and thermodynamics

Determination of thermoelastic stresses in the plates which maintain the tube bundle of a heat exchanger, M. Taghite, H. Lanchon (Ducauquis) and J. Saint Jean Paulin (2) 261–290

Transonic flow

SUPG finite element computation of compressible flows with the entropy and conservation variables formulations, G.J. Le Beau, S.E. Ray, S.K. Aliabadi and T.E. Tezduyar (3) 397–422

Transport phenomena

A new Lagrangian method for steady supercritical shallow water flow computation, J.Y. Yang, S.H. Chang and W.H. Hui (3) 333–355

Viscoelastic and viscoplastic media

Experimental substantiation of an elastoplastic finite element scheme for flat rolling, Z. Malinowski and J.G. Lenard (1) 1– 17

Viscous flow

Stabilized finite element methods for the velocity–pressure–stress formulation of incompressible flows, M.A. Behr, L.P. Franca and T.E. Tezduyar (1) 31– 48